

# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*  
R 50620810 0001

**Berichtsnummer** *Report No.:*  
CN23SC7A 001

**Genehmigungsinhaber** *License Holder:*  
Zhejiang Tengen Electric Co., Ltd.  
Sulv Industrial Area,  
Liushi Town, Yueqing City,  
325604 Zhejiang  
P.R. China

**Fertigungsstätte** *Manufacturing Site:*  
Zhejiang Tengen Electric Co., Ltd.  
(Yueqing Economic  
Development Zone Branch)  
No.288 Central Avenue  
Development Zone, Yueqing City,  
325604 Zhejiang  
P.R. China

## Prüfzeichen *Test Mark:*



Type Approved  
Safety  
Regular Production  
Surveillance

www.tuv.com  
ID 1111281657

**Geprüft nach** *Tested according to:*  
EN 60947-2:2017+A1

## Geräteidentifikation

### *Product Identification*

**Produkt:** Circuit Breaker  
*Product:* (Moulded case circuit breaker)

**Modell:** Modelle sind auf nächste(r) Seite(n) gelistet  
*Type:* *Type designation(s) are listed on the next page(s)*

**Technische Daten:** Technische Daten auf nächste(r) Seite(n) gelistet  
*Technical Data:* *Technical Data is listed on the next page(s)*

**Gültig ab:** 2024-03-14  
*Valid from:*

**Zertifizierungsstelle:**  
*Certification body:*

**Ausstellungsdatum:** 2024-03-14  
*Date of issue:*

*Wencai Zhang*

Wencai Zhang



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.  
*This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.*

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**  
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Fax: +49 221 806-3935

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**Produkt** *Product:* Circuit Breaker  
(Moulded case circuit breaker)

**Modell** *Type:* **Bezeichnung** *Designation:*  
Code Designation : TGM5-abc/defgh  
(a=400,630; b=C,L,M,H,S; c=Blank,P,Z; d=3,3N,4; e=2,3;  
f=00,08,10,30,20,21,22,23,18,38,28,68,67,66,40,41,42,  
43,70,71,72,73,48,47,46,45,78,77,76,75; g=Blank,2; h=A,B,C,D)  
Trademark : (Tengen(Logo))

**Technical Data:**

Selectivity Category	:A
Interruption Medium	:Air
Electromagnetic Compatibility	:Environment A
Number of Poles	:3P,3N,4P
Number of Protection Poles	:3, 3, 4
Rated Operation Voltage(Ue)	:AC380/400/415V; AC500/550V; AC660/690V
Rated Frequency	:50/60Hz
Rated Impulse Withstand Voltage(Uimp)	:12kV
Rated Insulation Voltage(Ui)	:1250V
Rated Current of Construction Breaks(Inm)	:400A,630A
Conventional Free Air Thermal Current of Frame Size(Ith):630A	
Breaking Capacity Level	:C, L, M, H, S
Rated Current Range of Thermo-magnetic Release(In):	
Inm:400A:250/315/350/400A, Inm:630A:400/500/630A	
Current Setting of Adjustable Overload Release:(Ir):0.8 to 1.0In	
Rated Instantaneous Short-circuit Current Setting:(Ii):	
5-10In(Power distribution), 7-12In(Motor protection)	
Rated Ultimate Short-circuit Breaking Capacity(Icu):	
Ue:=AC415V: 36kA(b=C),50kA(b=L),85kA(b=M),100kA(b=H),150kA(b=S);	
Ue:=AC550V: 25kA(b=C),50kA(b=L),50kA(b=M),70kA (b=H), 70kA(b=S);	
Ue:=AC690V: 10kA(b=C),10kA(b=L),20kA(b=M),25kA (b=H),35kA(b=S)	
Rated Service Short-circuit Breaking Capacity(Ics):	
Ue:=AC415V: 36kA(b=C),50kA(b=L),85kA(b=M),100kA(b=H),150kA(b=S);	
Ue:=AC550V: 25kA(b=C),50kA(b=L),50kA(b=M),70kA (b=H), 70kA(b=S);	
Ue:=AC690V: 10kA(b=C),10kA(b=L),20kA(b=M),25kA (b=H),35kA(b=S)	
Pollution Degree	:3
Rated Duty	:8 hours
Suitability for Using in IT System	:Yes
Suitability for Isolation	:Yes(3P;4P)
Method of Installation	:Fixed,Plug-in

**Auxiliary and control circuit parameters**

Shunt release:	Us: AC220/230V,AC380/400V,DC24V
Undervoltage release:	Us: AC220/230V,AC380/400V,50/60Hz
Auxiliary switch or alarm contact circuits	: NO or NC, Ui:690V,Ith=3A, AC-15:AC400V/1.5A, DC-13: DC220V/0.15A

ANLAGE (Appendix): 1